

Periodontal Instruments

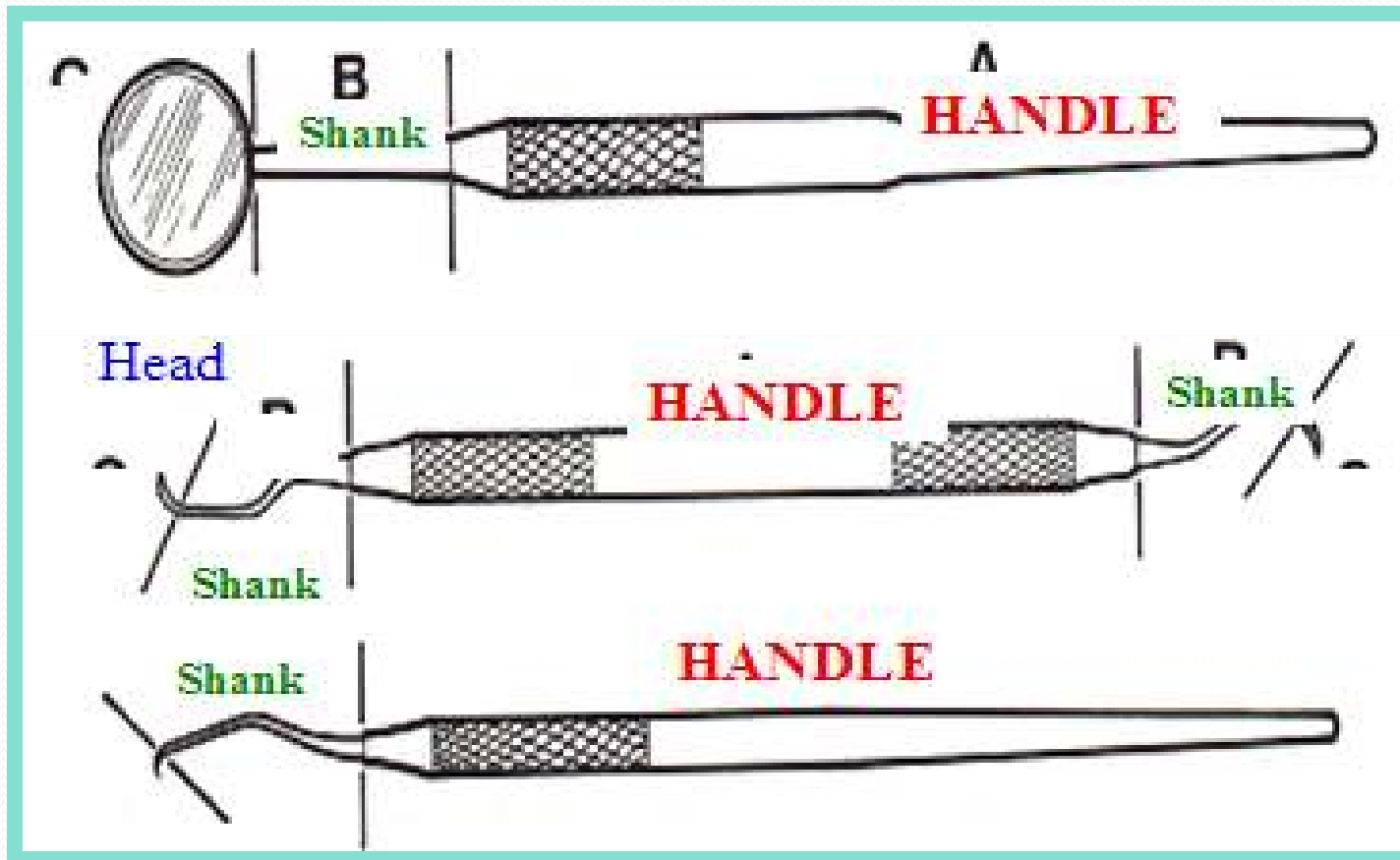
By

Asst. Prof. Dr. Hala Yassin

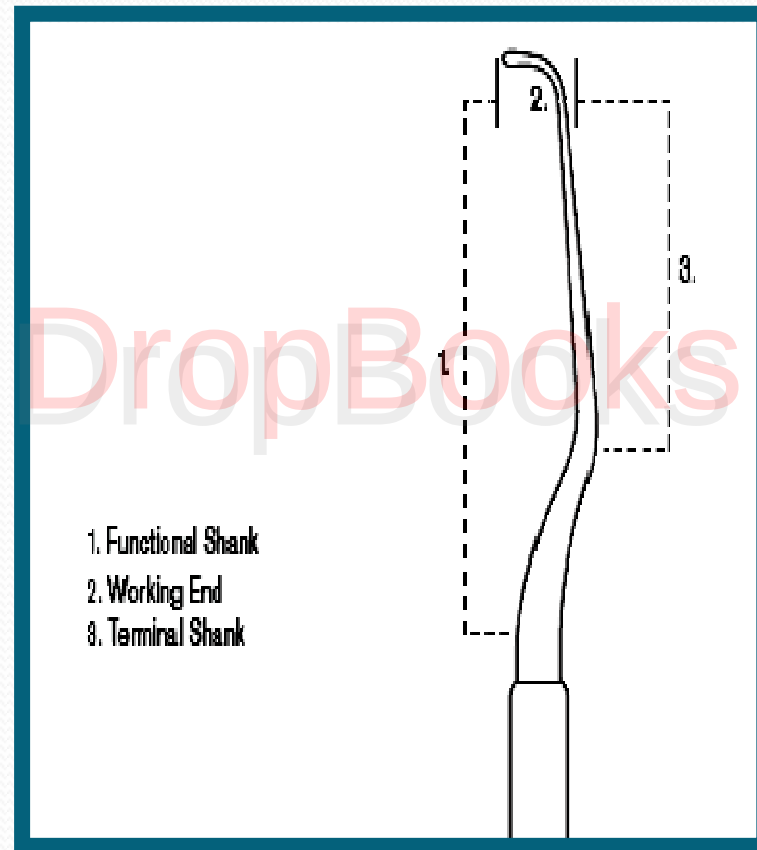
Head Of Oral Medicine, Oral Diagnosis , Radiology ,And Periodontology Dept.

P.U.A

General features of instruments



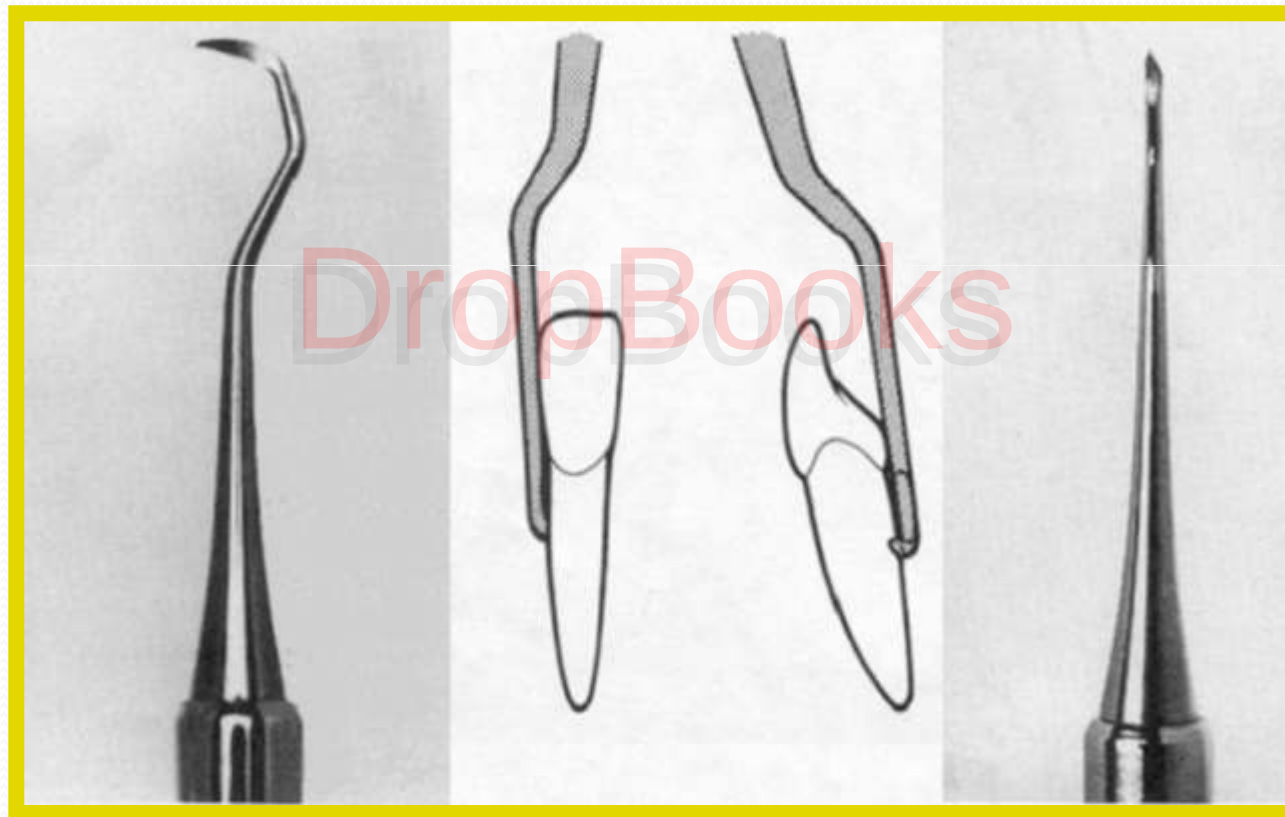
Instrument Design



Instrument shank design



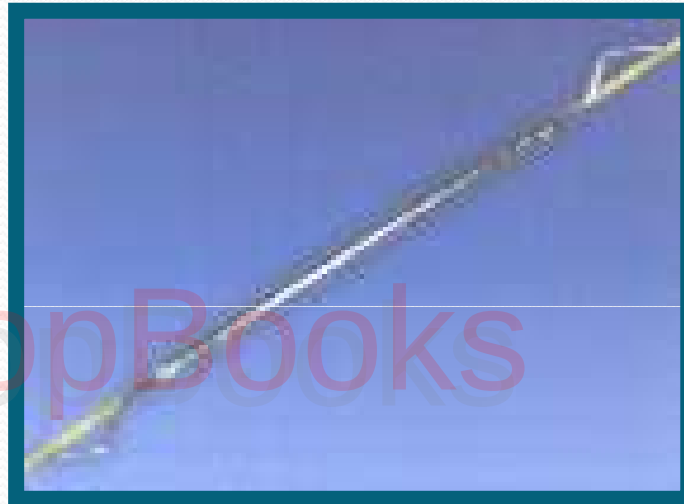
Simple shank design



Complex shank design



Balanced instrument



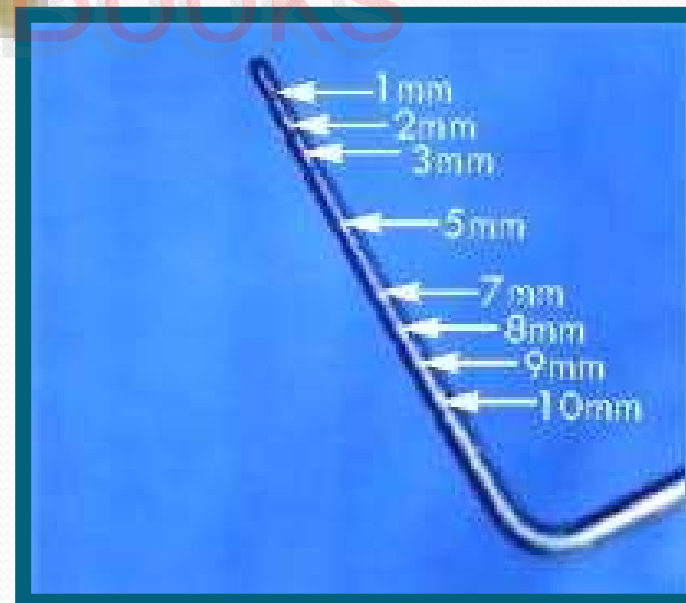
The background is a solid blue gradient. At the top, there are several wavy, horizontal lines in shades of light blue and cyan, creating a layered, water-like effect.

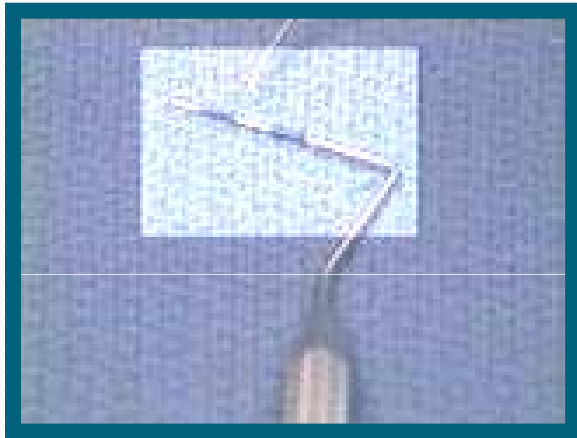
Basic periodontal instruments

Periodontal probes



Williams probe





color-coded

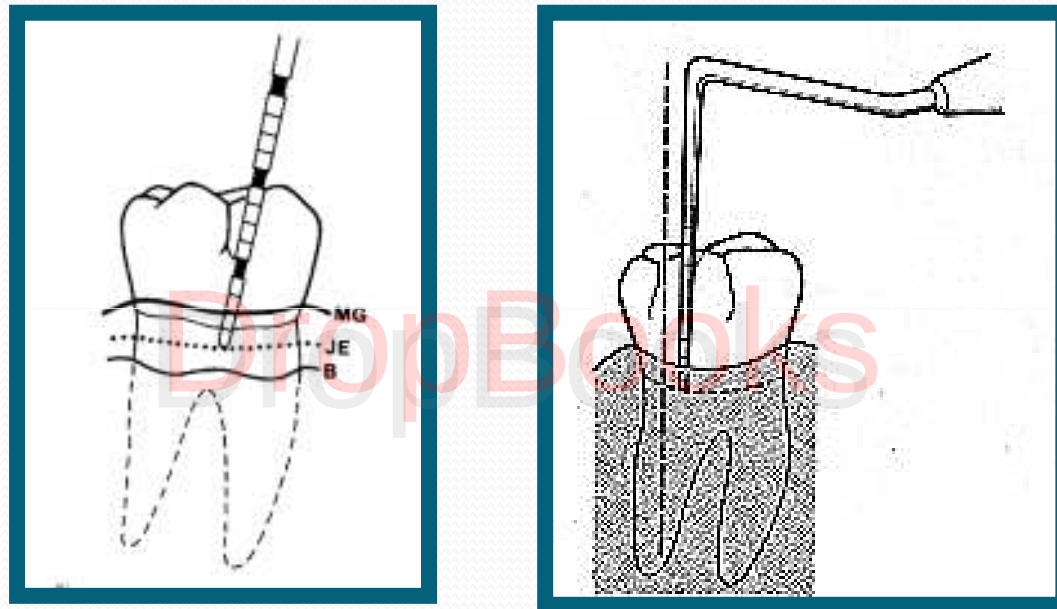


Williams (left) and Naber's probe with shades alternating every 3 mm (right).

Naber's probe in bifurcation area with shades alternating every 3 mm

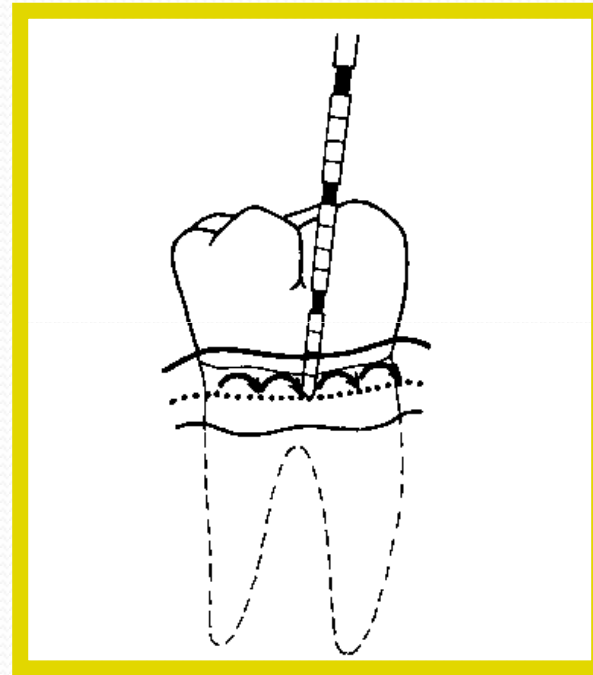
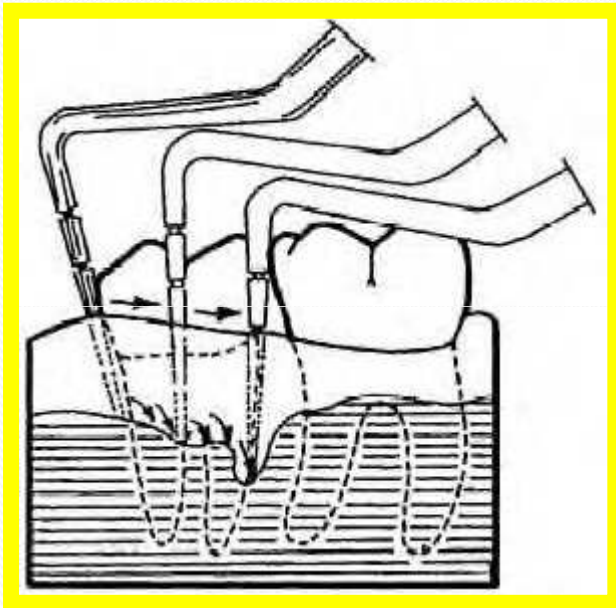


Use of the Probe

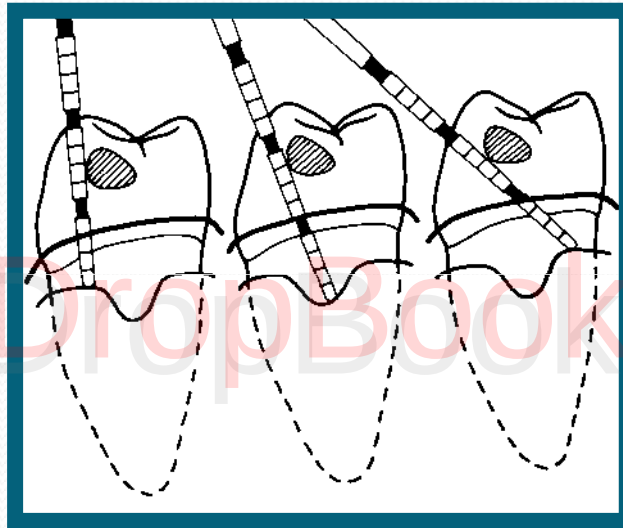


Probe is parallel to long axis of tooth

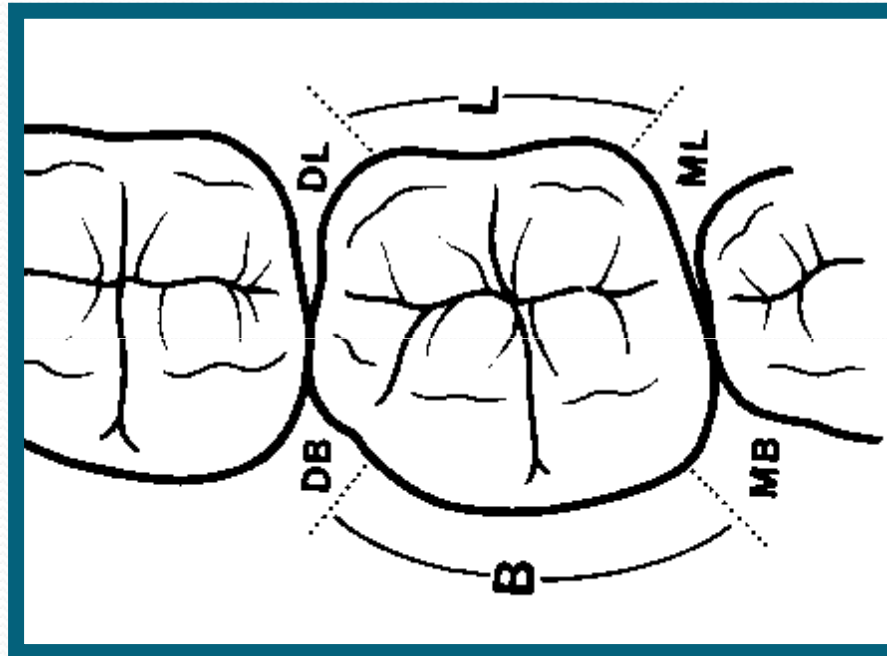
Walking the periodontal probe around the tooth



Interproximal Angulation



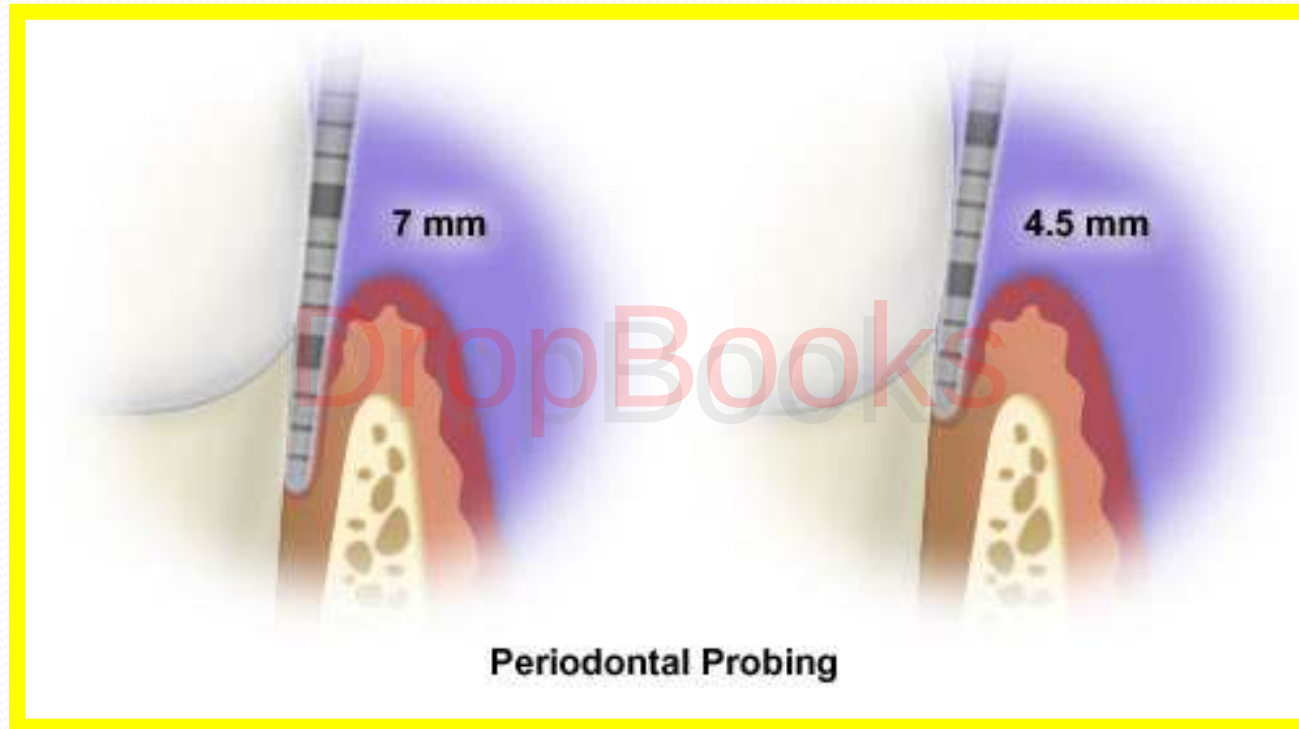
Readings



Six readings. Distal (DB & DL) Buccal (B) or Lingual (L) Mesial (MB & ML)

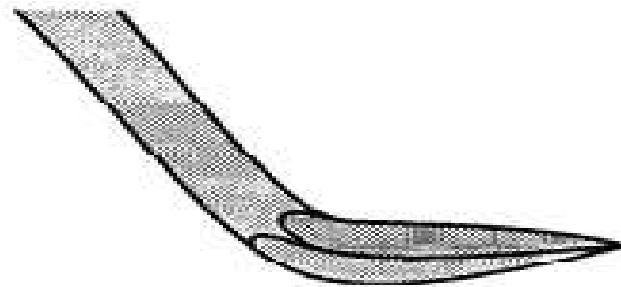
Probing pocket depth (PPD)

Clinical attachment loss (CAL)

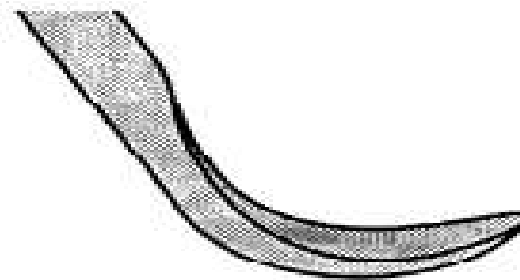


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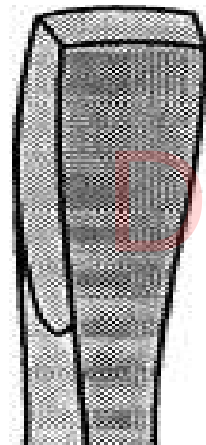
Scaling and root planing instruments



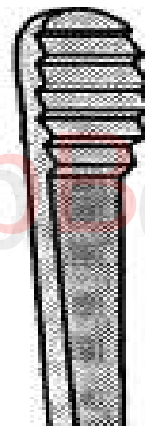
SICKLE



CURETTE



CHISLE

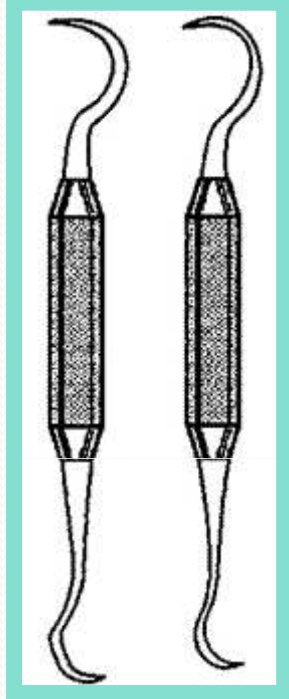


FILE

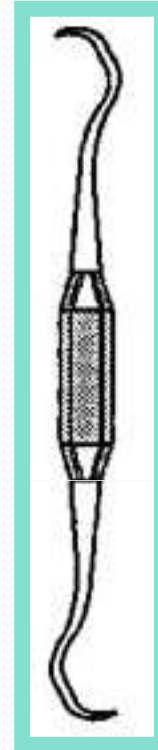


HOE

Periodontal Scaler

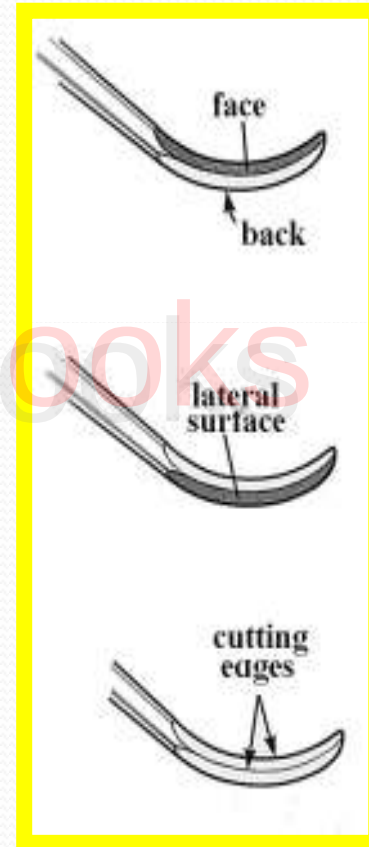
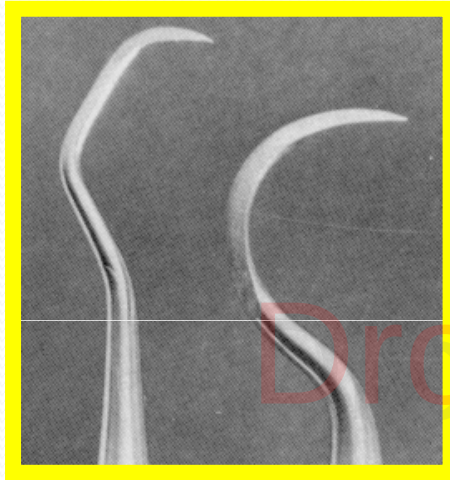


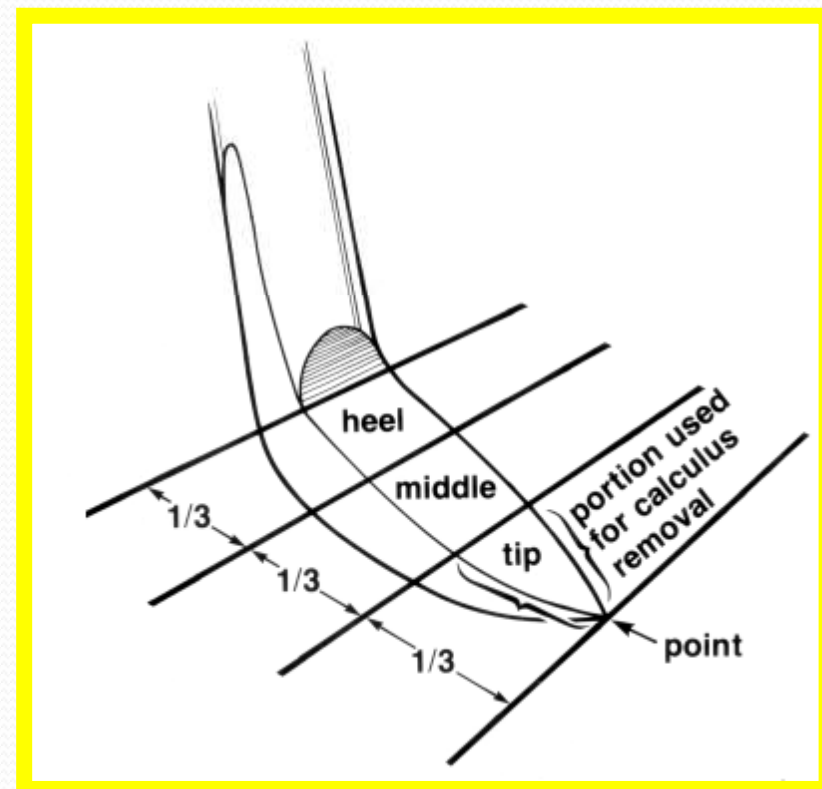
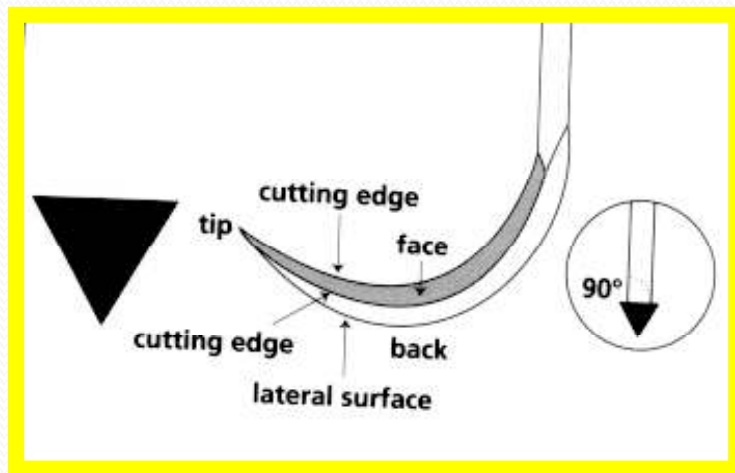
sickle scaler

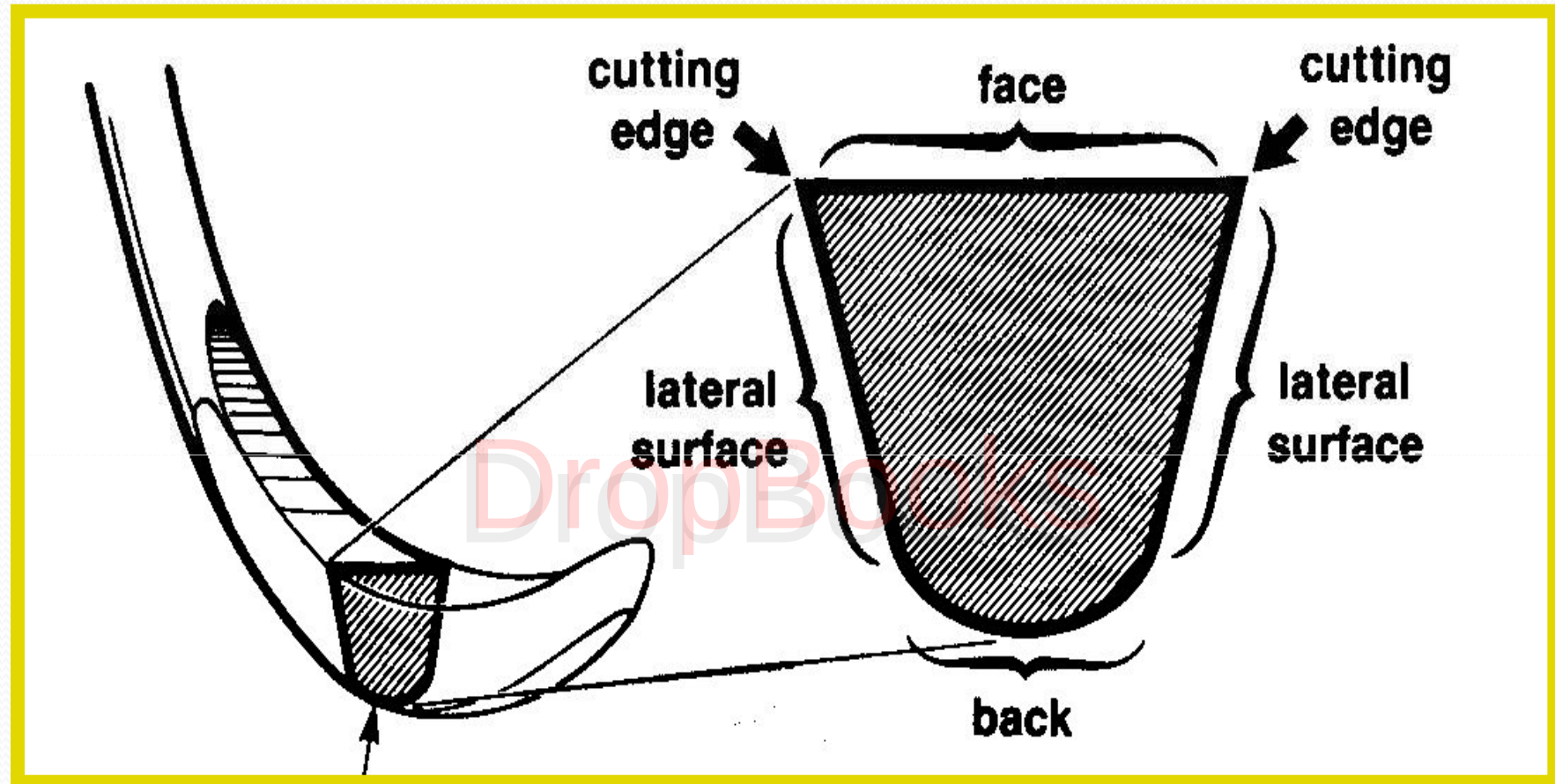


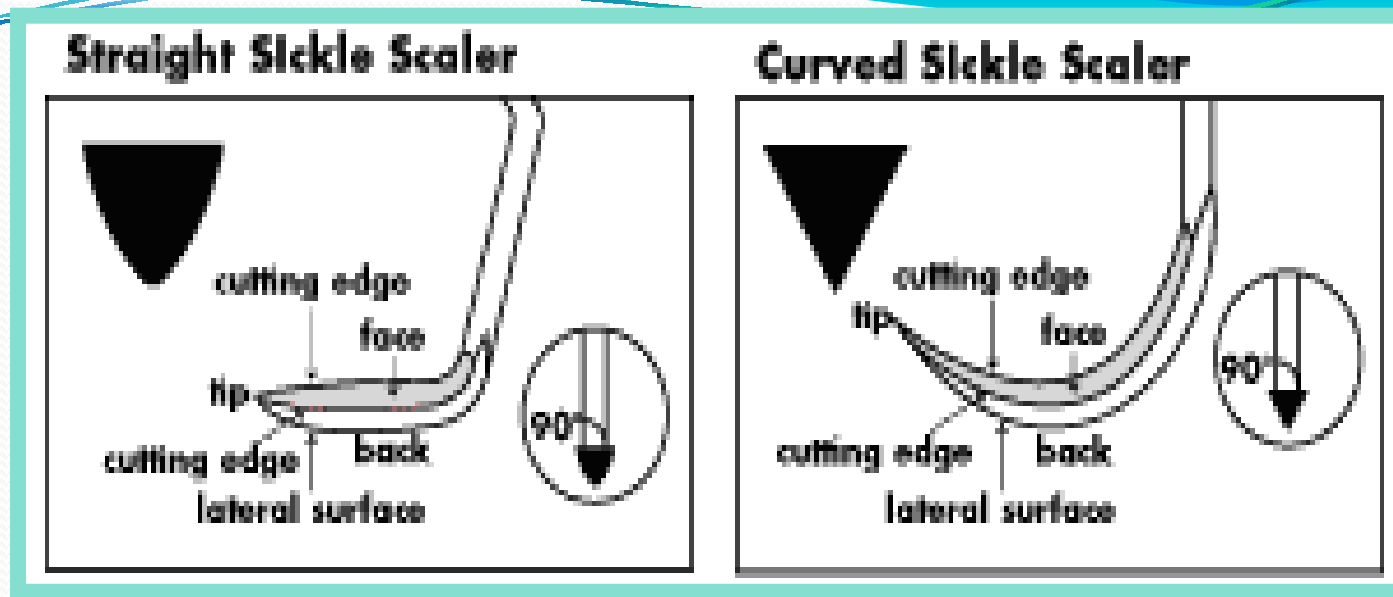
Jacquette double-ended scaler.

Characteristics of the sickle scaler

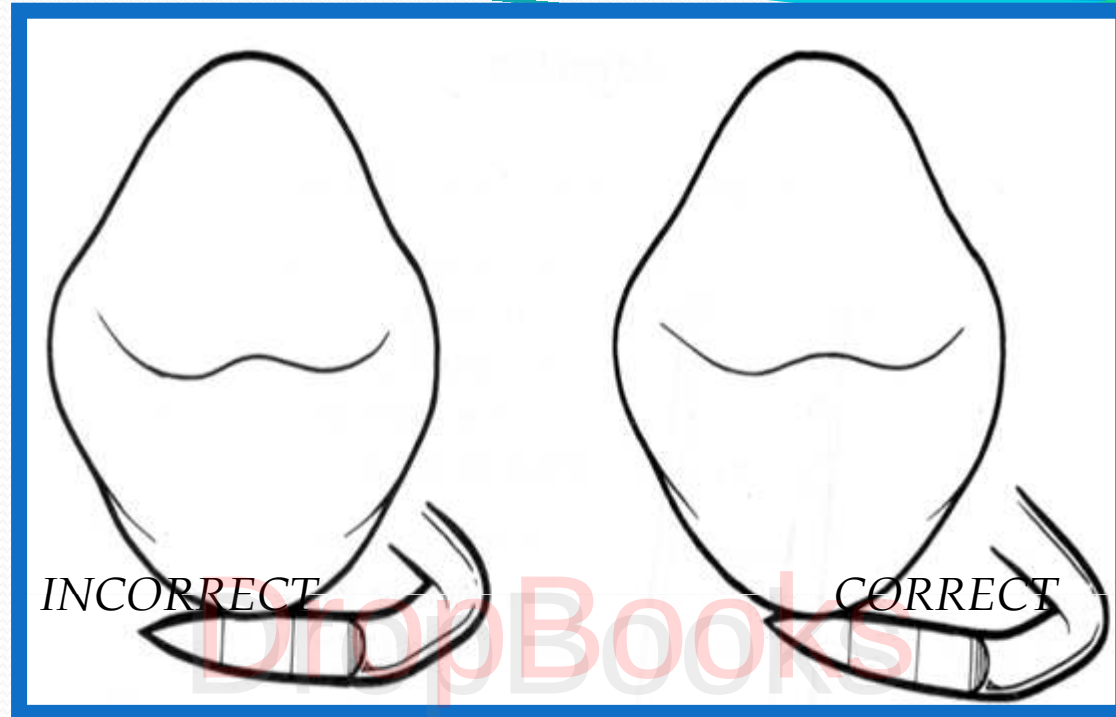








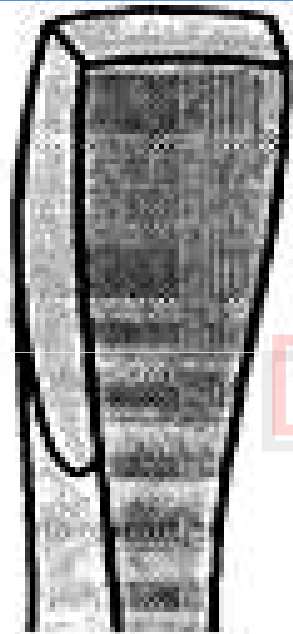
Flat blade cut at a 90 degree angle to the shank. Face of the blade may be straight or curved



INCORRECT

CORRECT





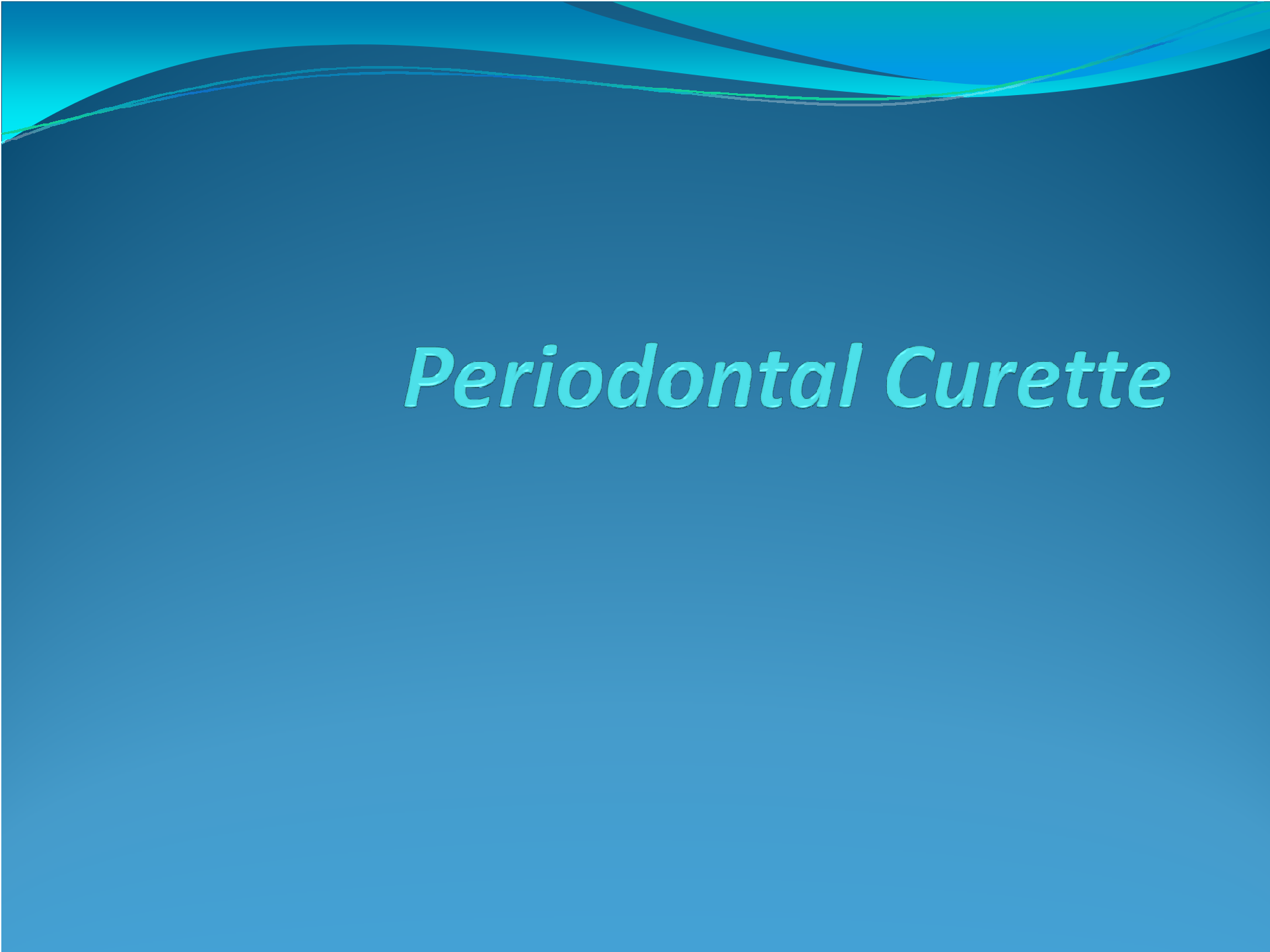
CHISLE



FILE

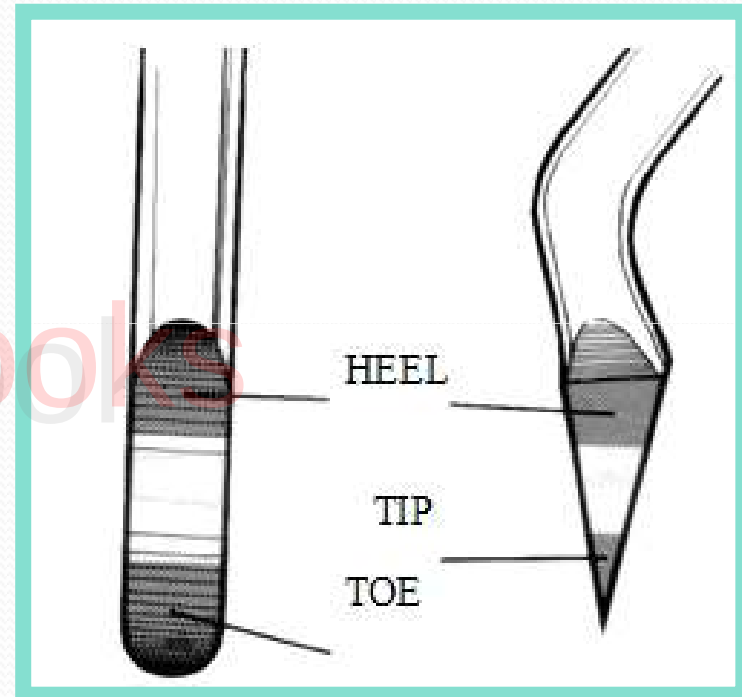
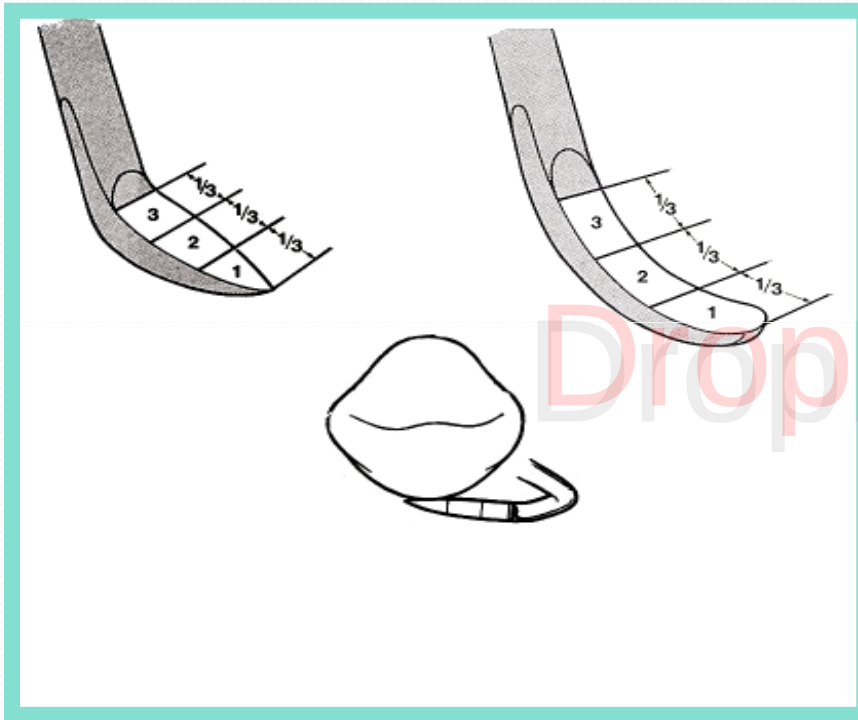


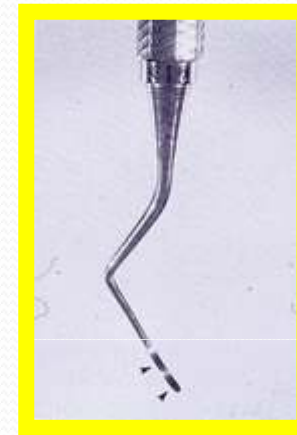
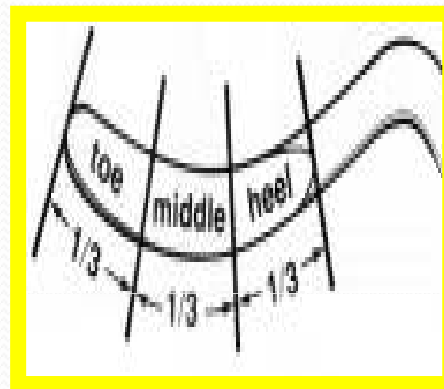
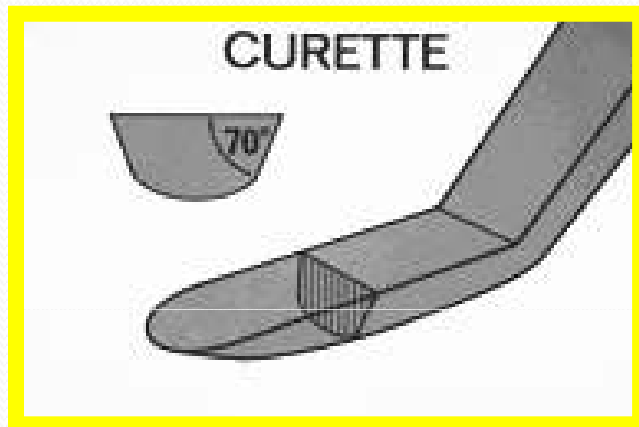
HOE

The background is a solid blue gradient. At the top, there are several wavy, horizontal lines in shades of blue and teal, creating a layered, water-like effect. The lines curve gently across the top of the frame.

Periodontal Curette

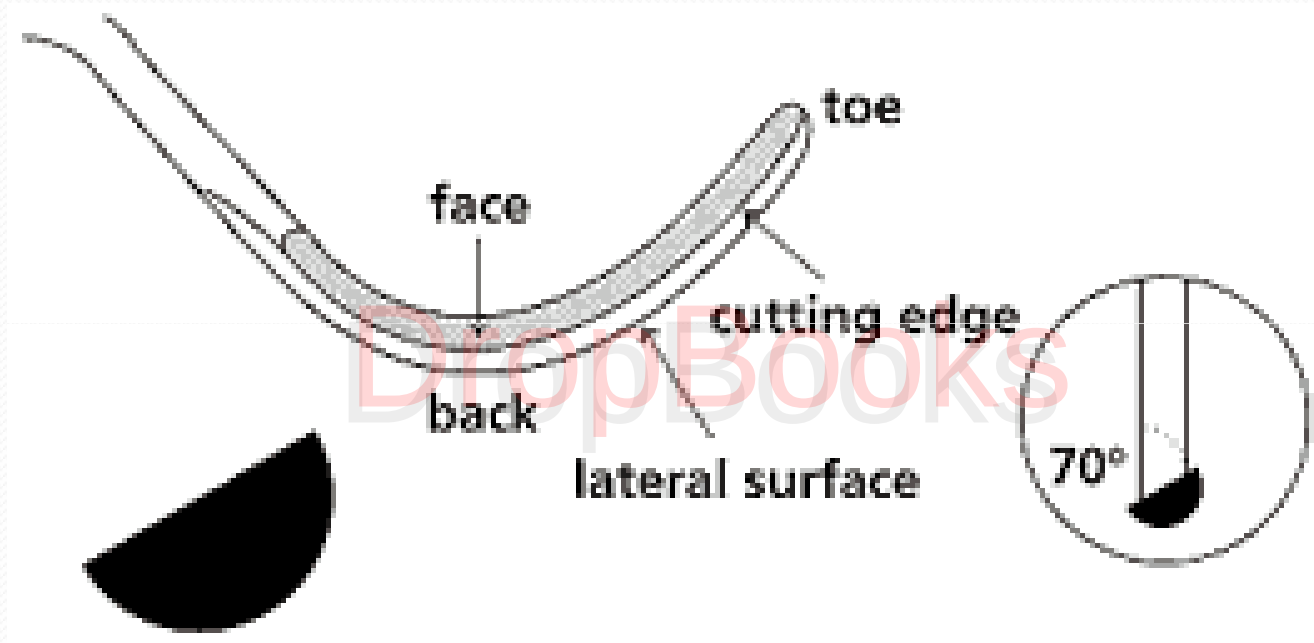
Curettes are rounded-back and Scalers are triangular-pointed .





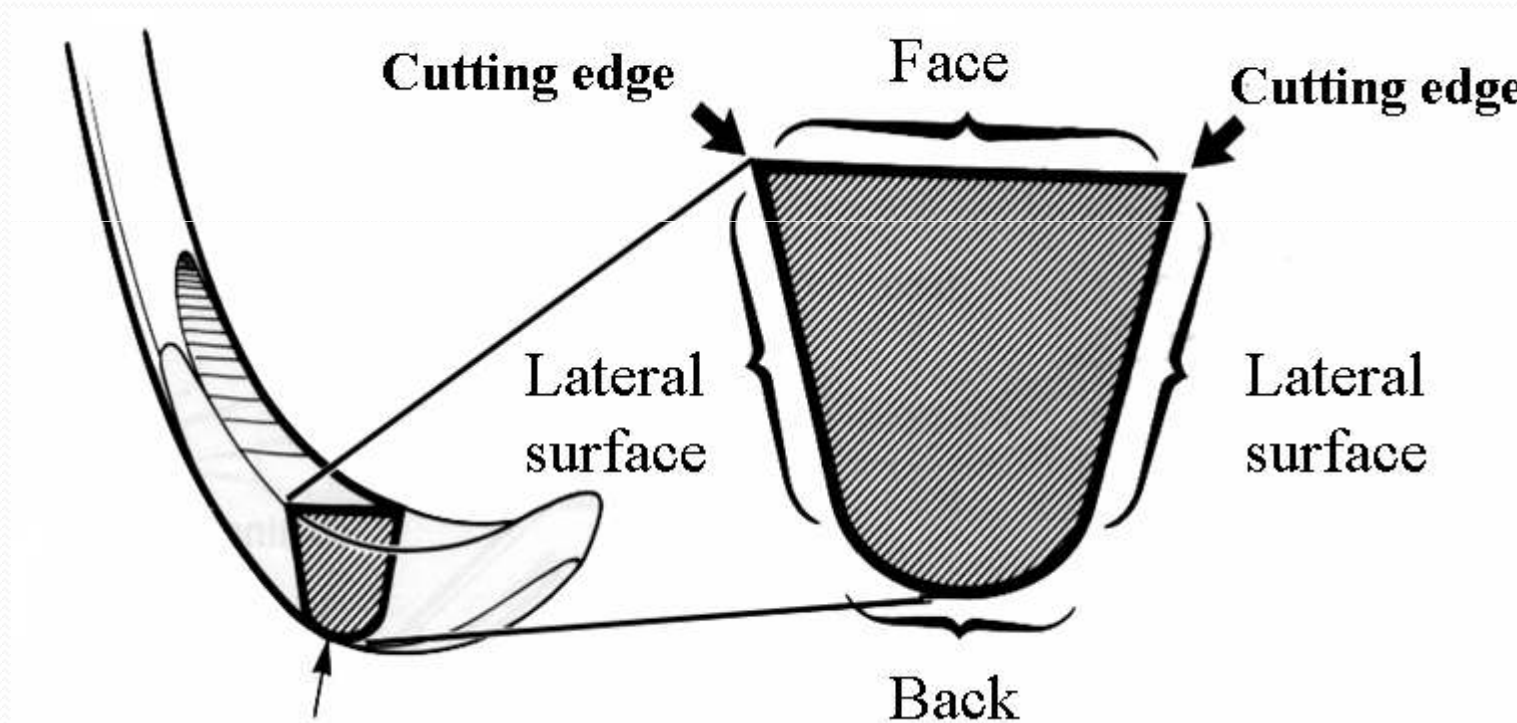
Area Specific Currettes

Gracey Currettes

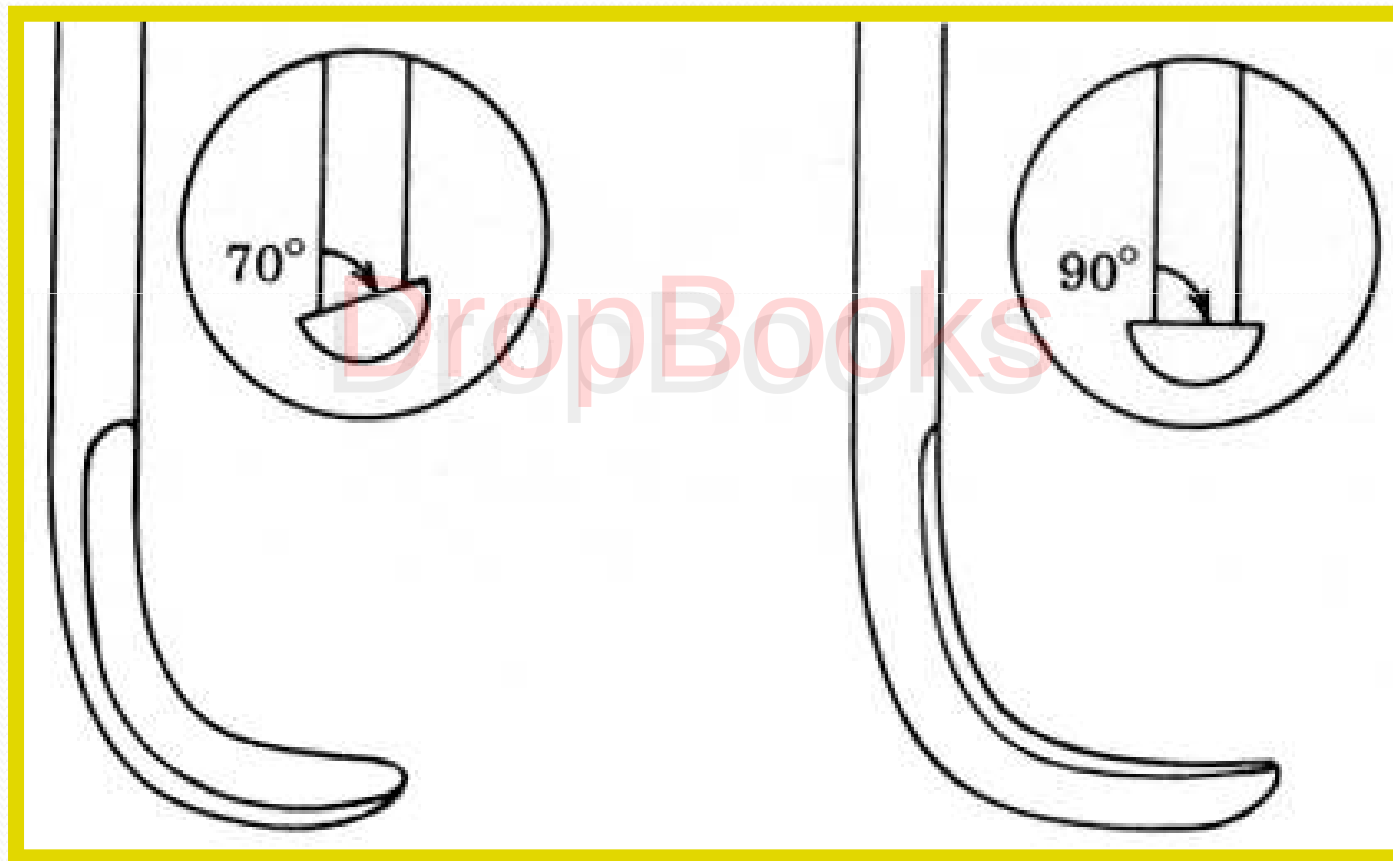


Design Characteristics

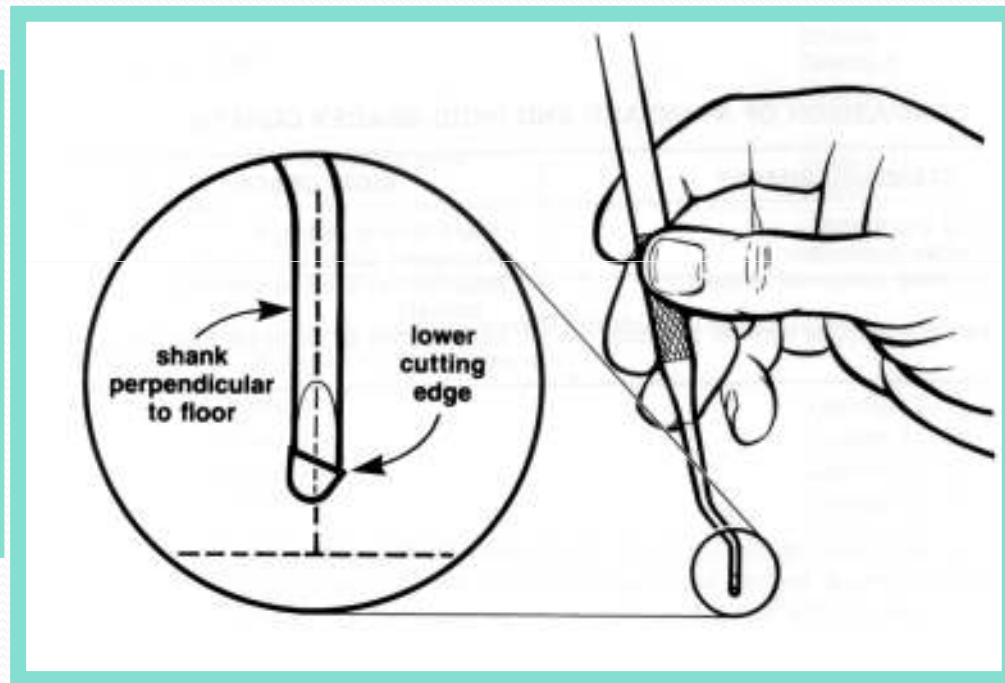
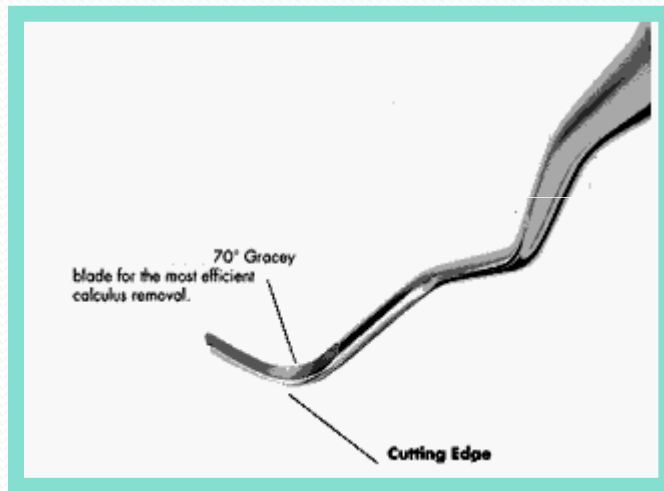
Area specific



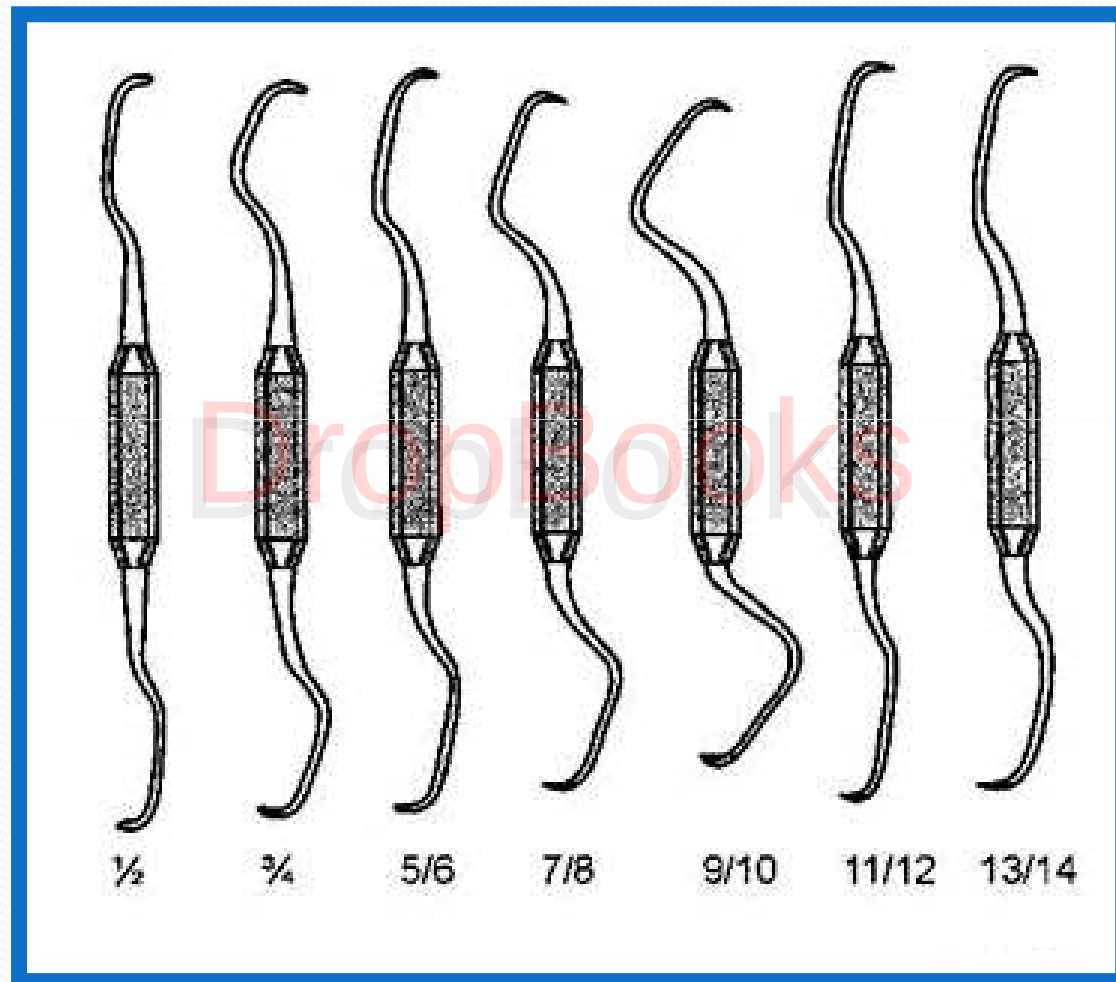
*Working end is tilted in relationship to the terminal shank (offset by 70°)
and has only one cutting edge.*



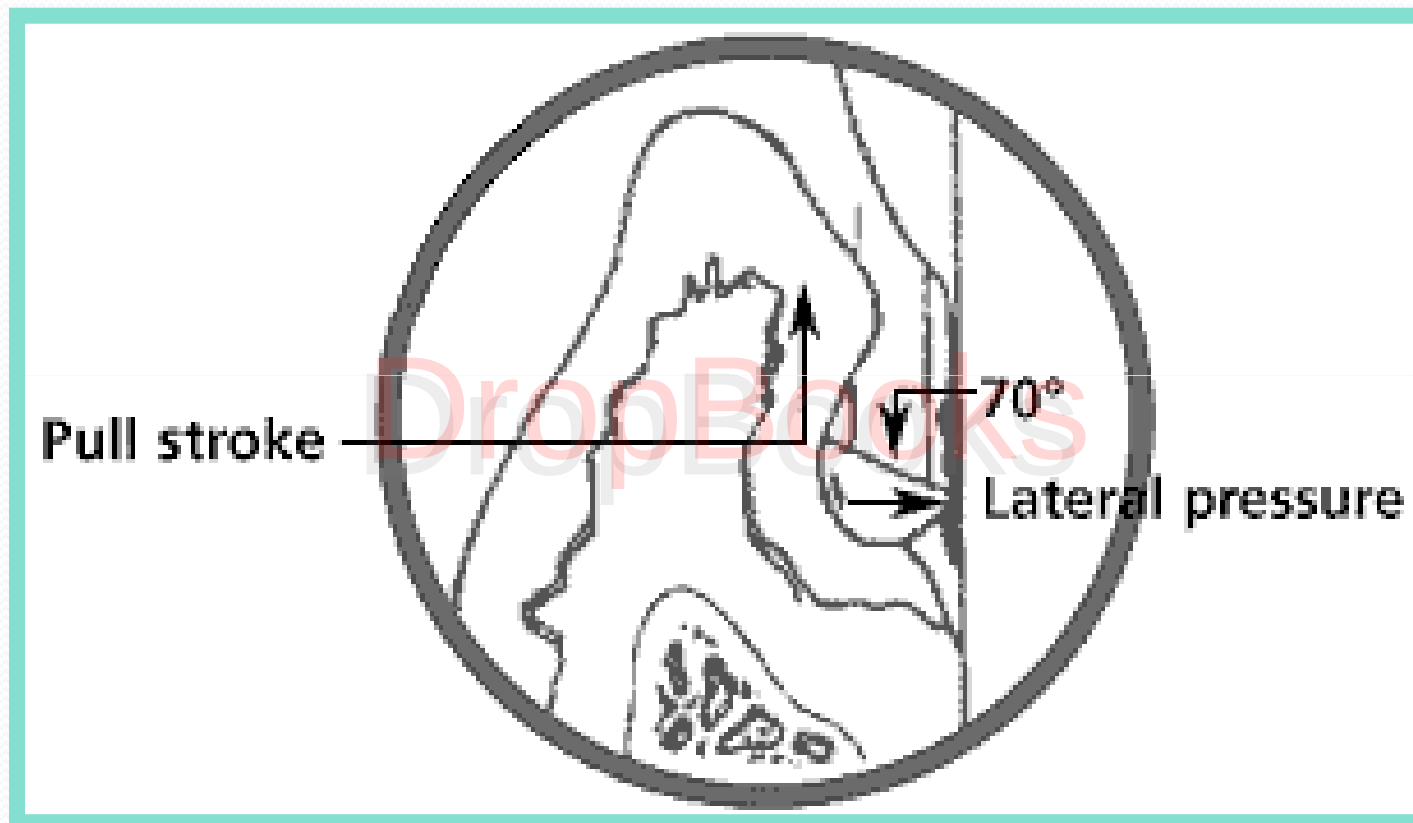
The cutting edge of the blade identified by holding the terminal shank of the end in question, blade side lower, in a vertical position and viewing the blade portion head on.



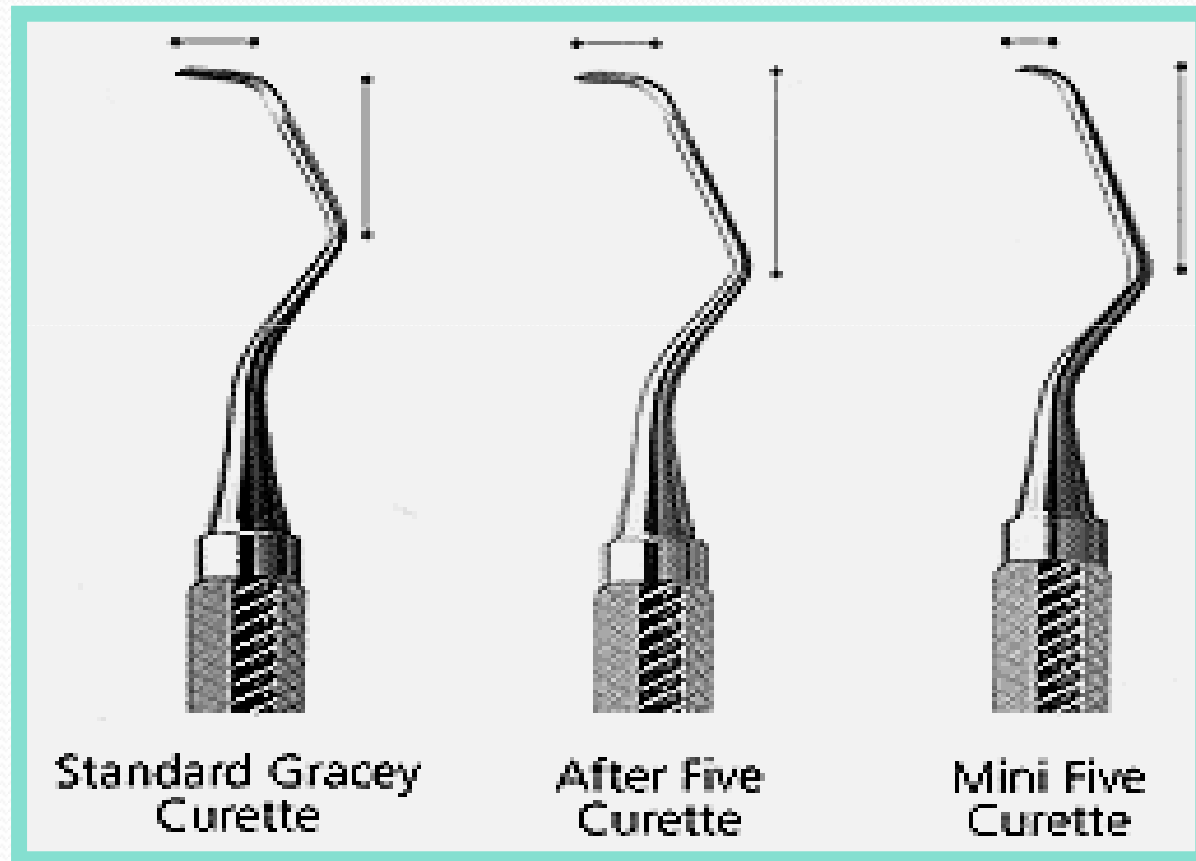
Gracey area specific curette set



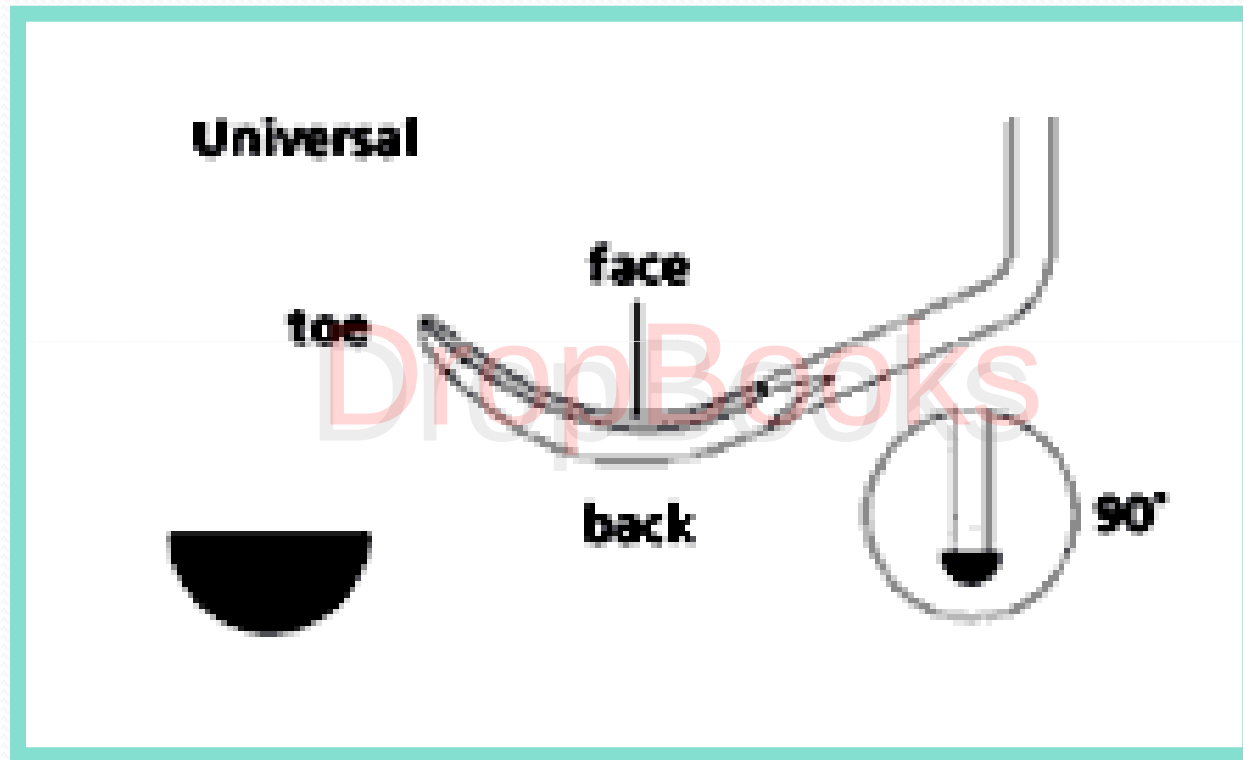




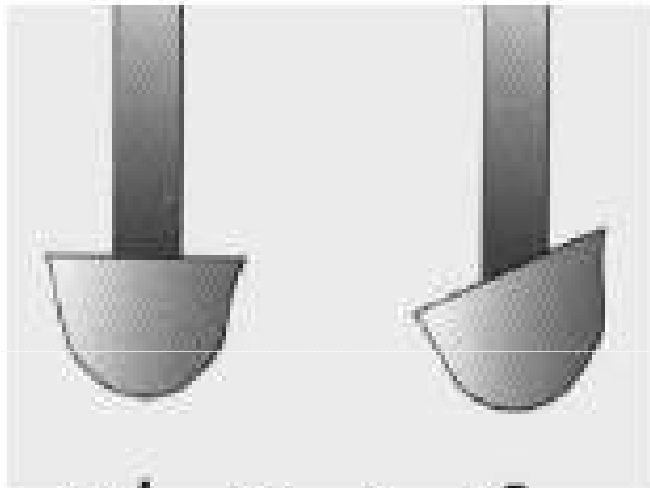
Curette options



Universal curette.



Universal versus site specific



Universal-2 cutting edges

Site Specific-1 cutting edge, 'lowest' edge

(viewed from the toe)

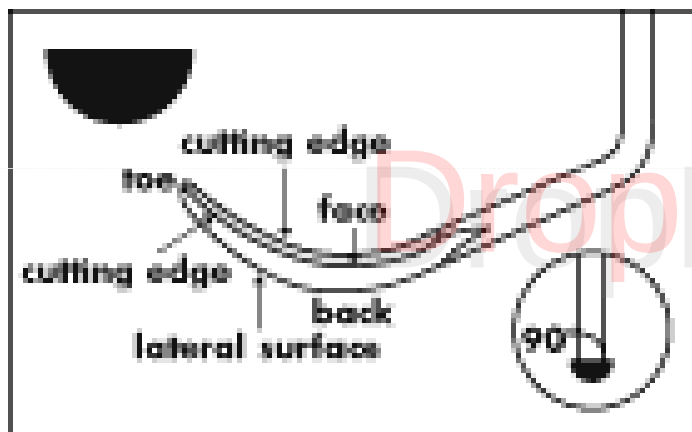


Universal-straight

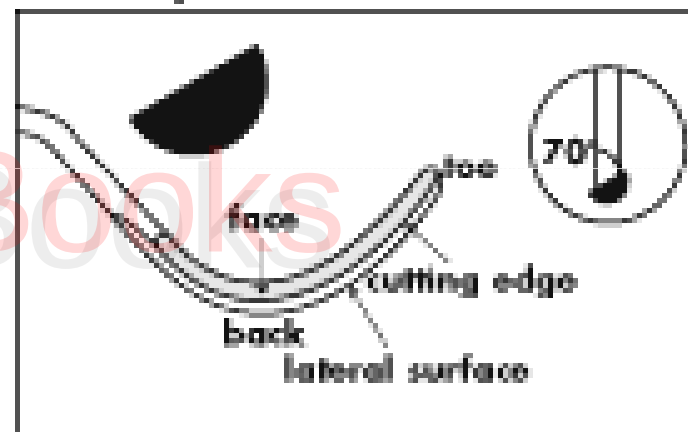
Site Specific-curved, cutting edge is convex side

(viewed from face)

Universal Curette



Gracey Curette

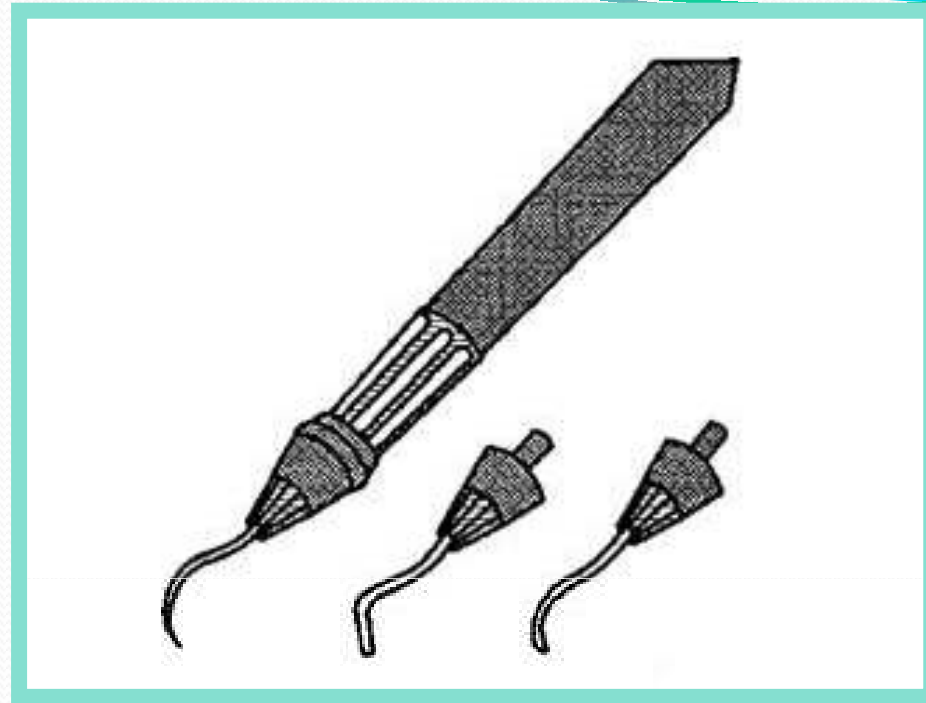


The background of the slide is a solid blue color. At the top, there are several wavy, horizontal lines in shades of blue and teal, creating a layered, wave-like effect. The text is centered on the right side of the slide.

Ultrasonic Instrumentation

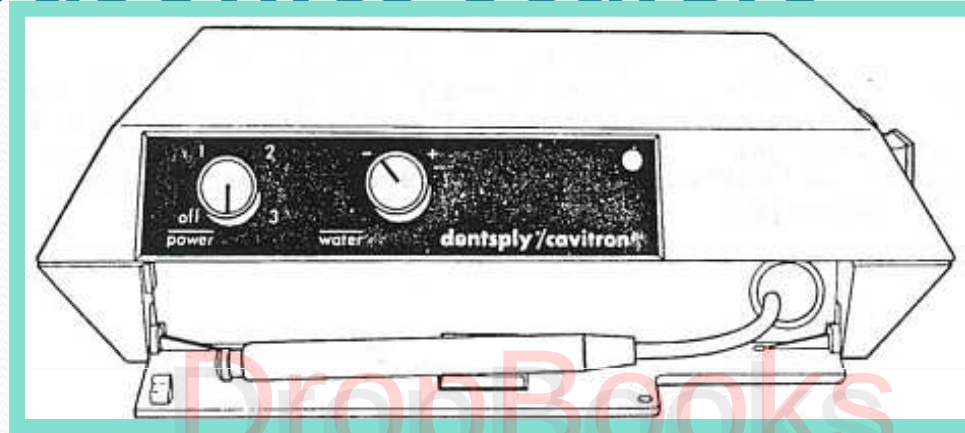
1- Sonic scalers

The sonic scaler is an air-powered turbine unit, •
mechanical scaler that operate at low frequency
ranging between 3,000 and 8,000 cycles per second
(Cps), with a vibratory type tip movement that is
primarily linear or elliptical in direction. Uses a
controlled water spray to remove large calculus
deposits and stains from teeth.



Sonic scaler handpiece and tips. Left to right: Universal, Perio, and Sickle tip.

2- Ultrasonics scalers



Magnetostrictive .١

Piezoelectric .٢

THANK YOU!!